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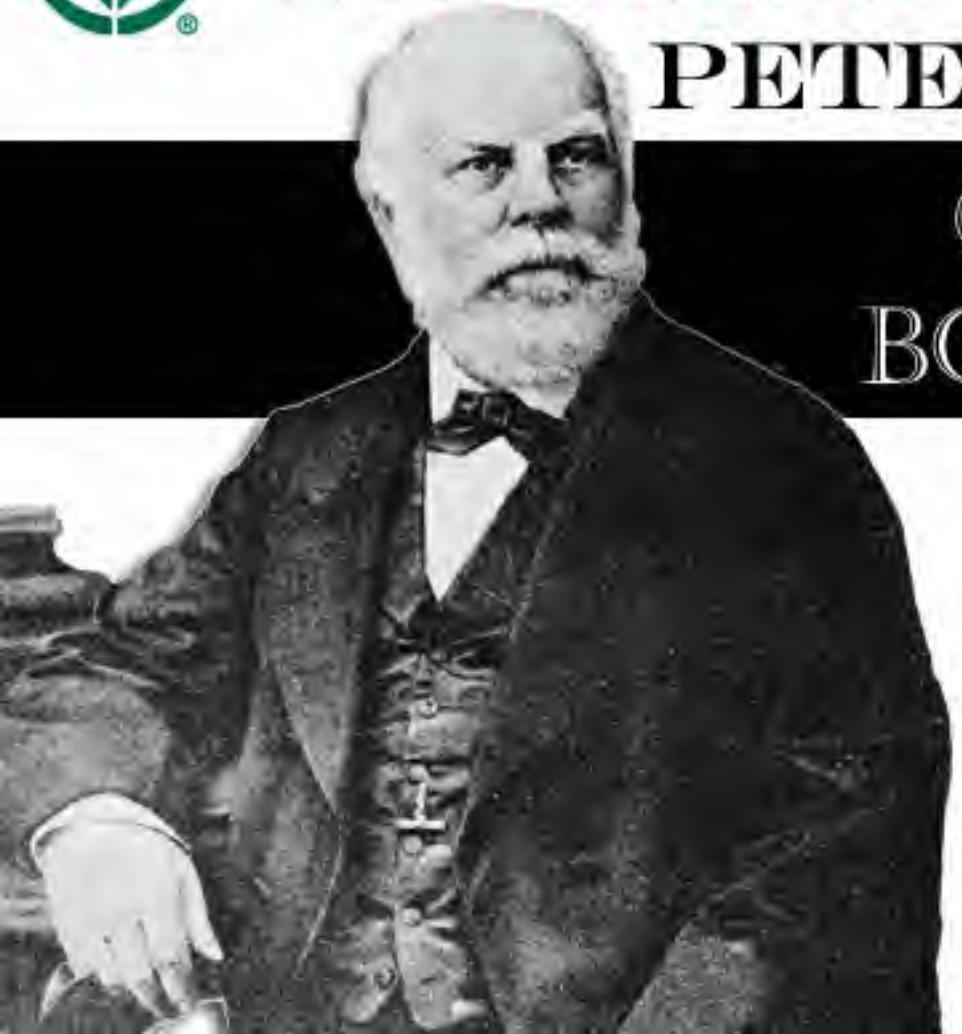
Peter H. Raven Library

George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

" Swamp Pseudosabina "

July 3 1874

Host Simple Florence

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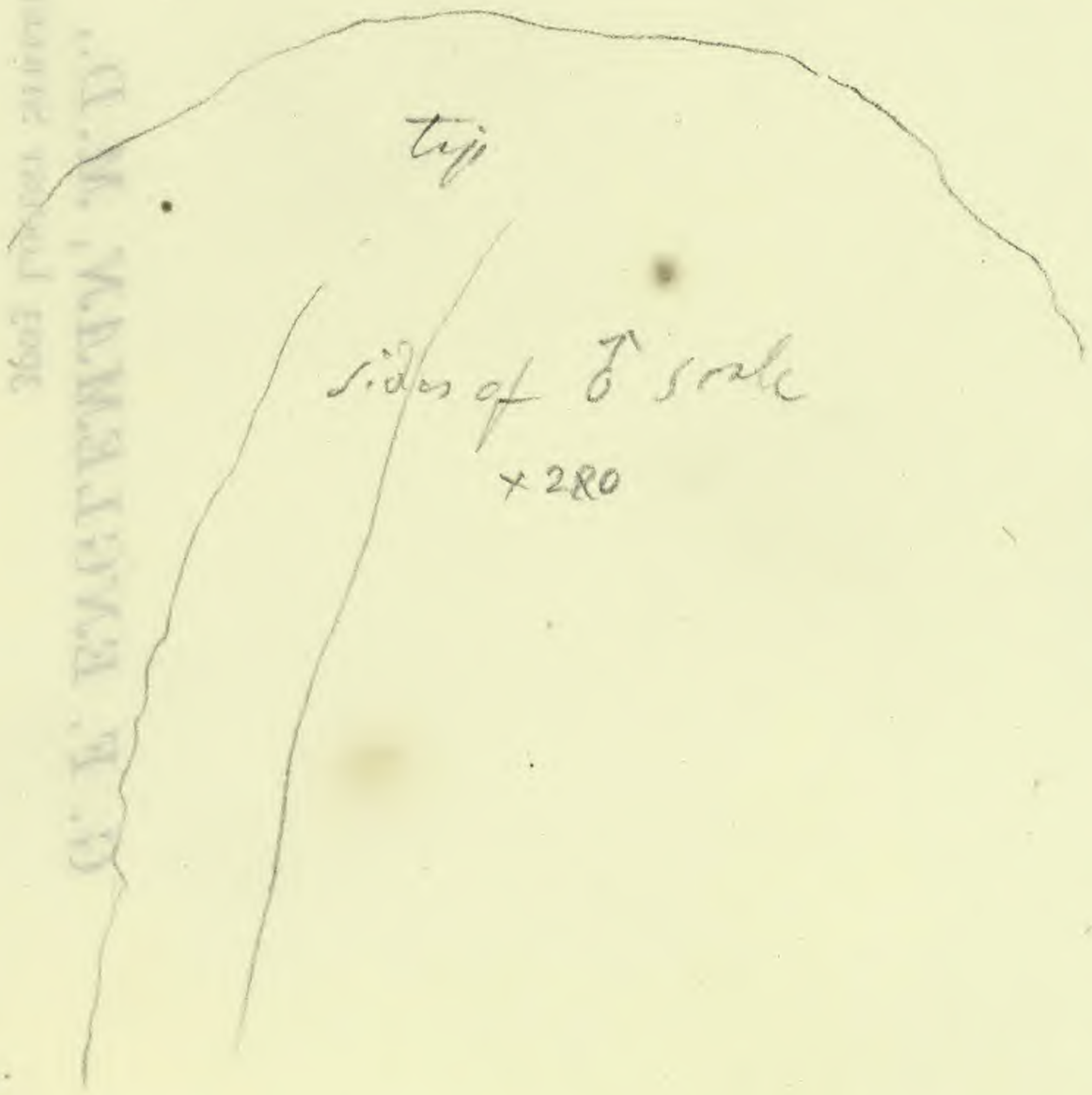
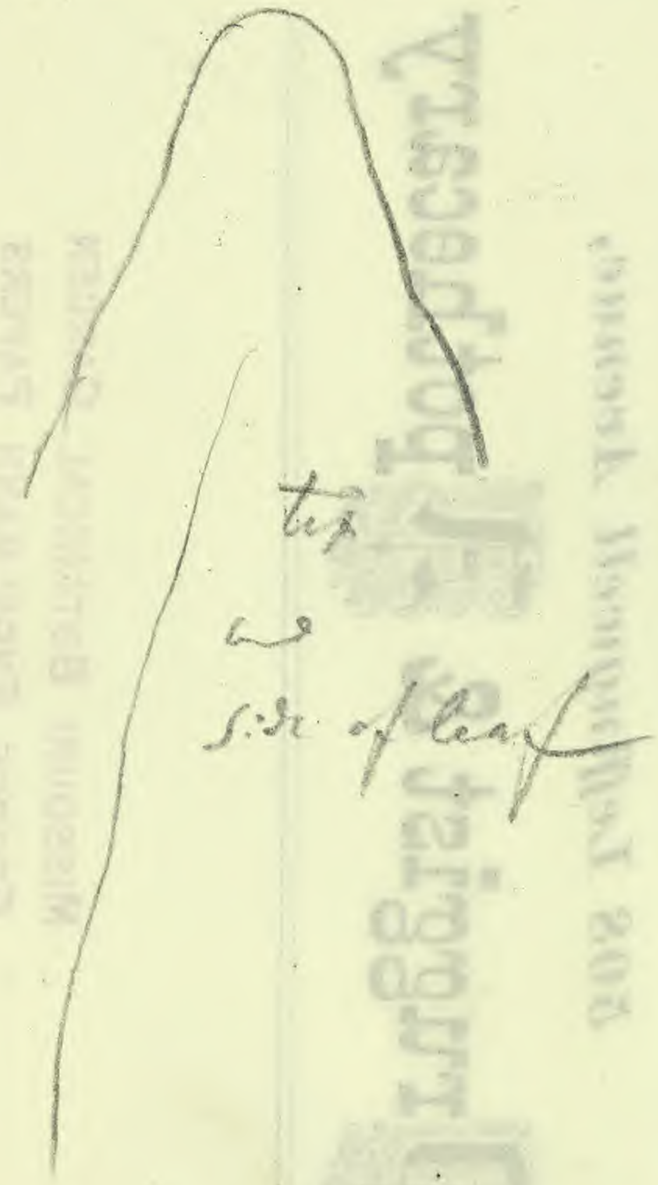
Dentipora ovalis

Aug 3 1874

Hall Simpson. Florence





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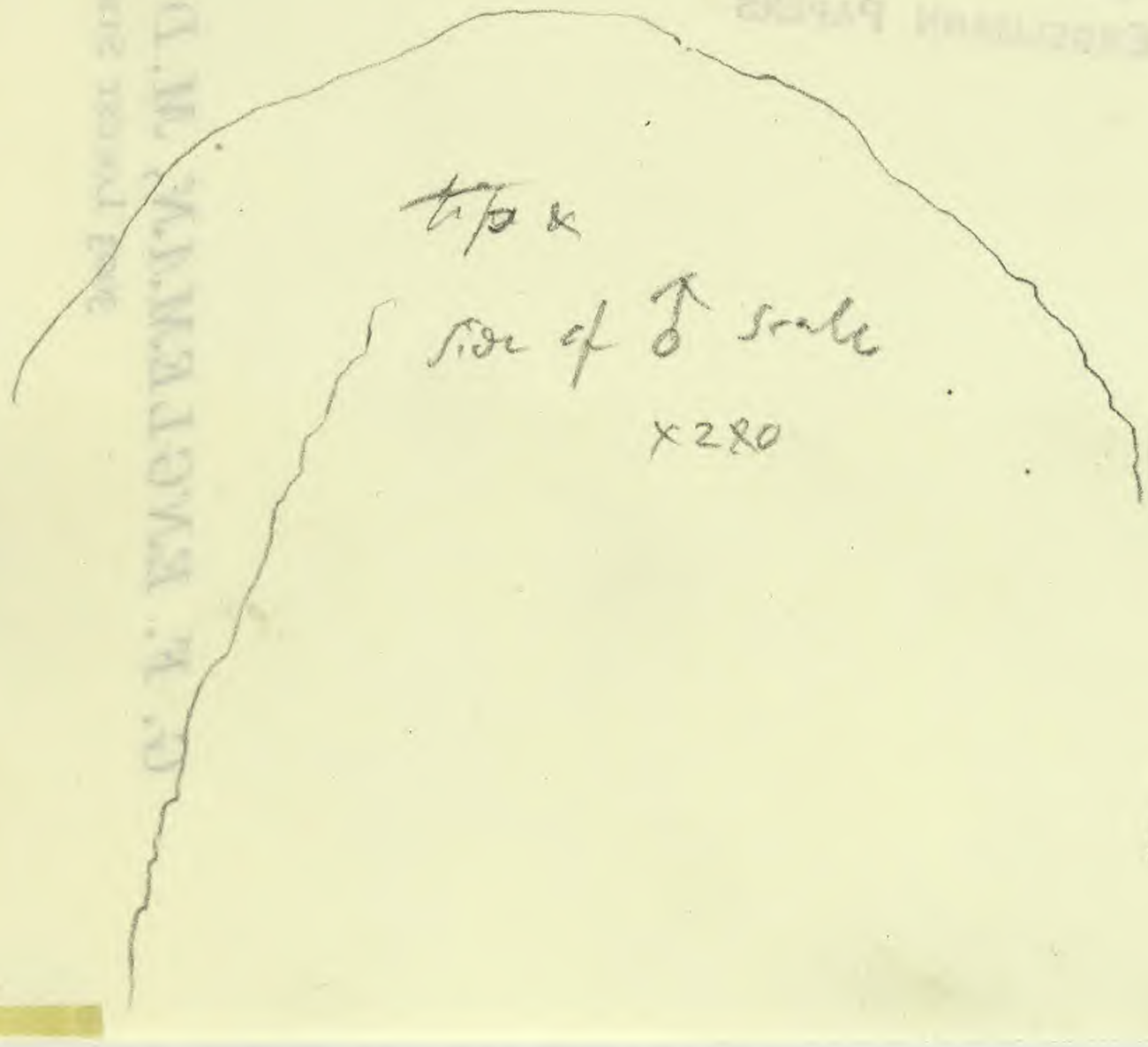
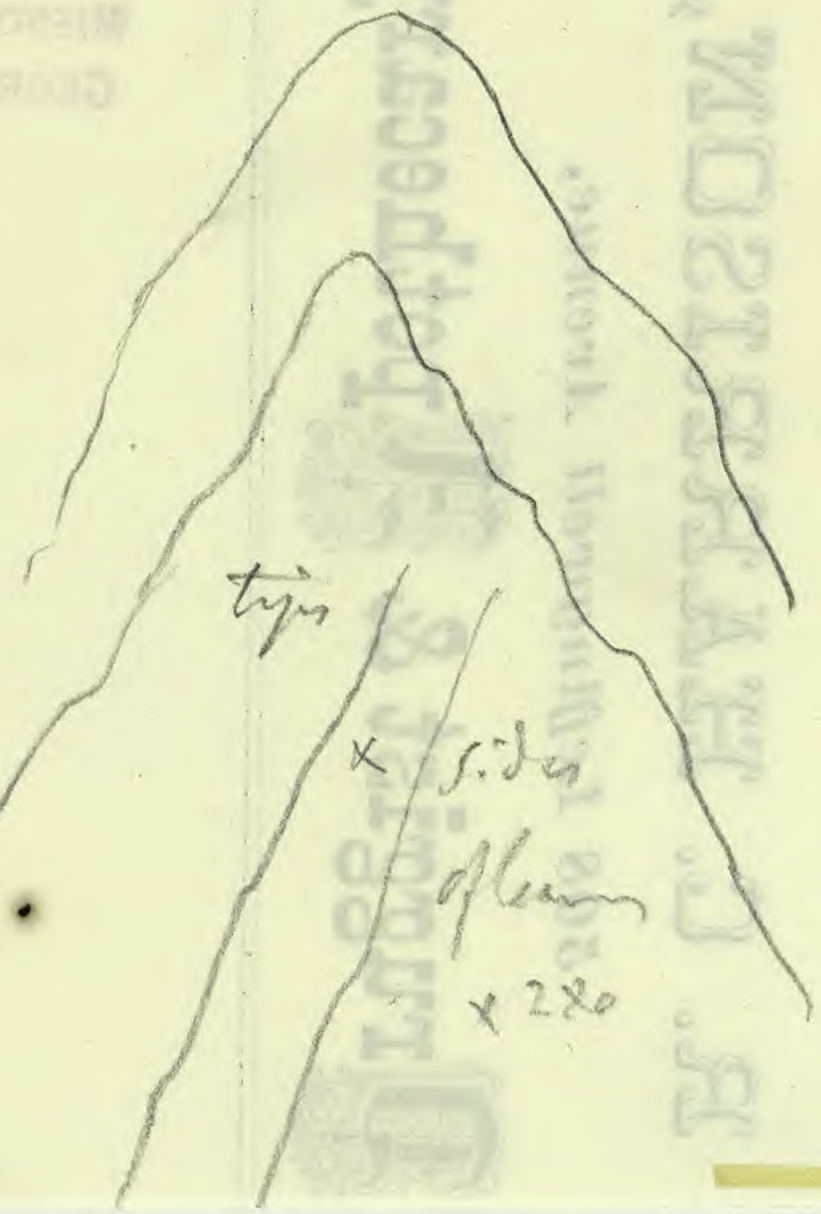
Lunpsonia pilosa Hemsley

Hort Bot Reims Nov. 1869

Leg 3[2] 1874





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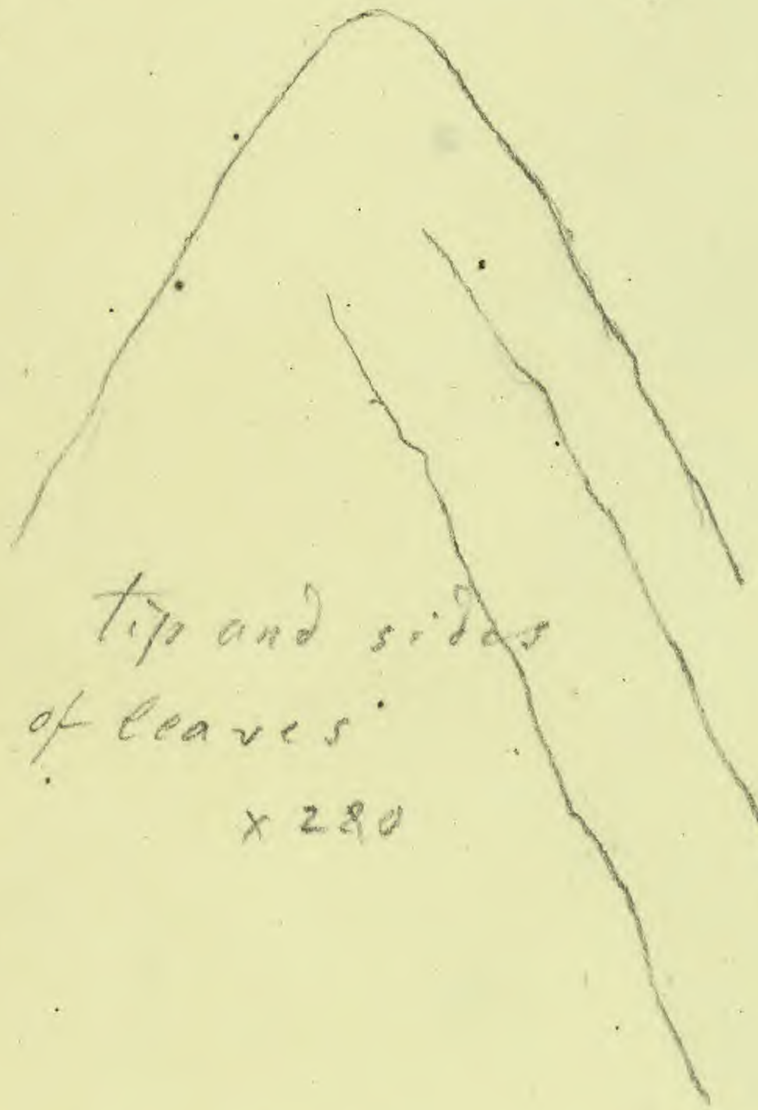
" Juniperus Barbadensis " Feb 19 1874

Figured in Herb Torrey " ex Herb Wilkens " "Florida et Bahama"

x10

Leaves opposite
gland indistinct



tip and sides
of leaves

x 280

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Juniperus
Camp Apache

March 6 1874

Dr J. B Girard No 7

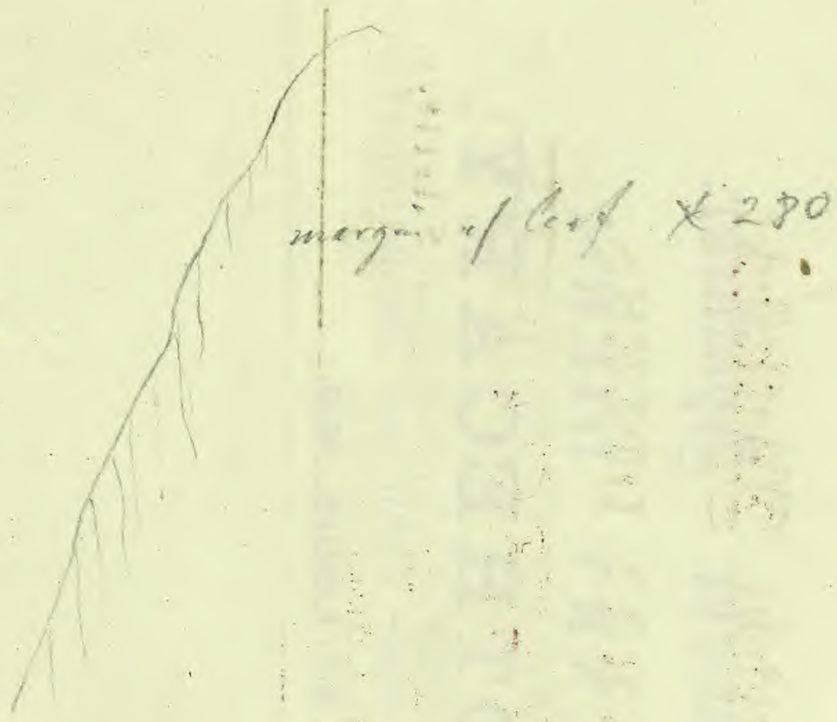
×2

young immature fruit

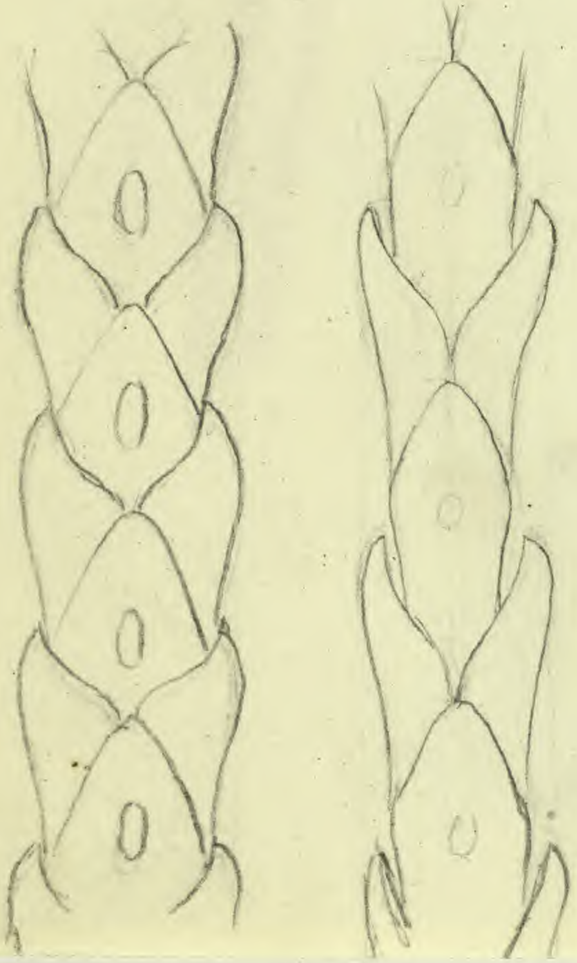
single seed

2 seeds of one berry

tip of leaf
×60



margin of leaf ×280



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J. Virginiana Jan 1 1873

Cedar Islands, Nebraska, F. Hayden

effete amount ×10
no pollen

leaves & scales
= 2'

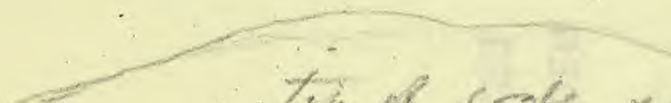
×10

larger branchlet
leaves = 3"

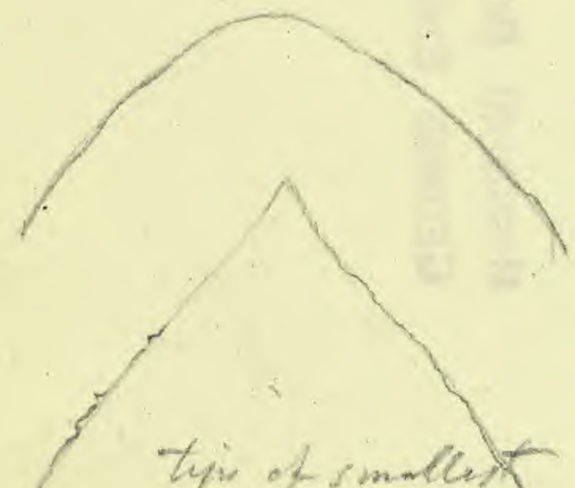
×10

edge of scale ×280

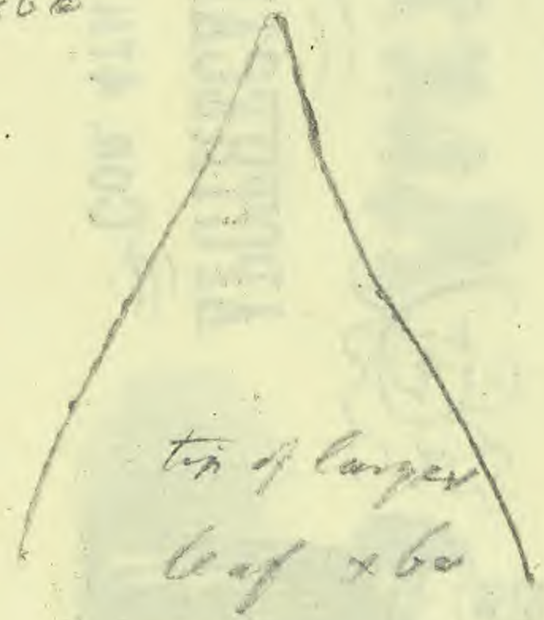
top of scale ×60



base of scale ×60



tip of smallest
leaves ×60 entire or nearly so



top of larger
leaf ×60

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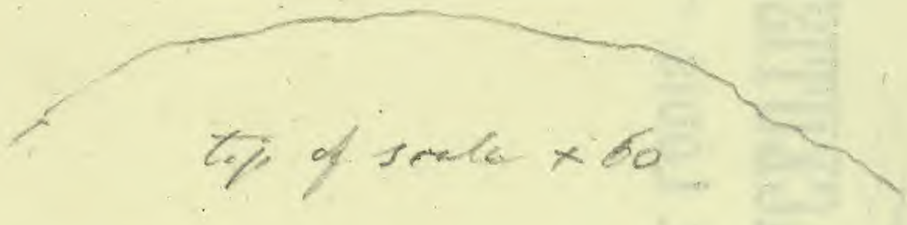
Juniperus Virginiana Jan 1 1873

Santa Fe Fendler 835

×10



top of scale × 60

pollen × 415

$= \frac{10}{415} = 0.024$ mm

top of leaf × 60

nearly entire

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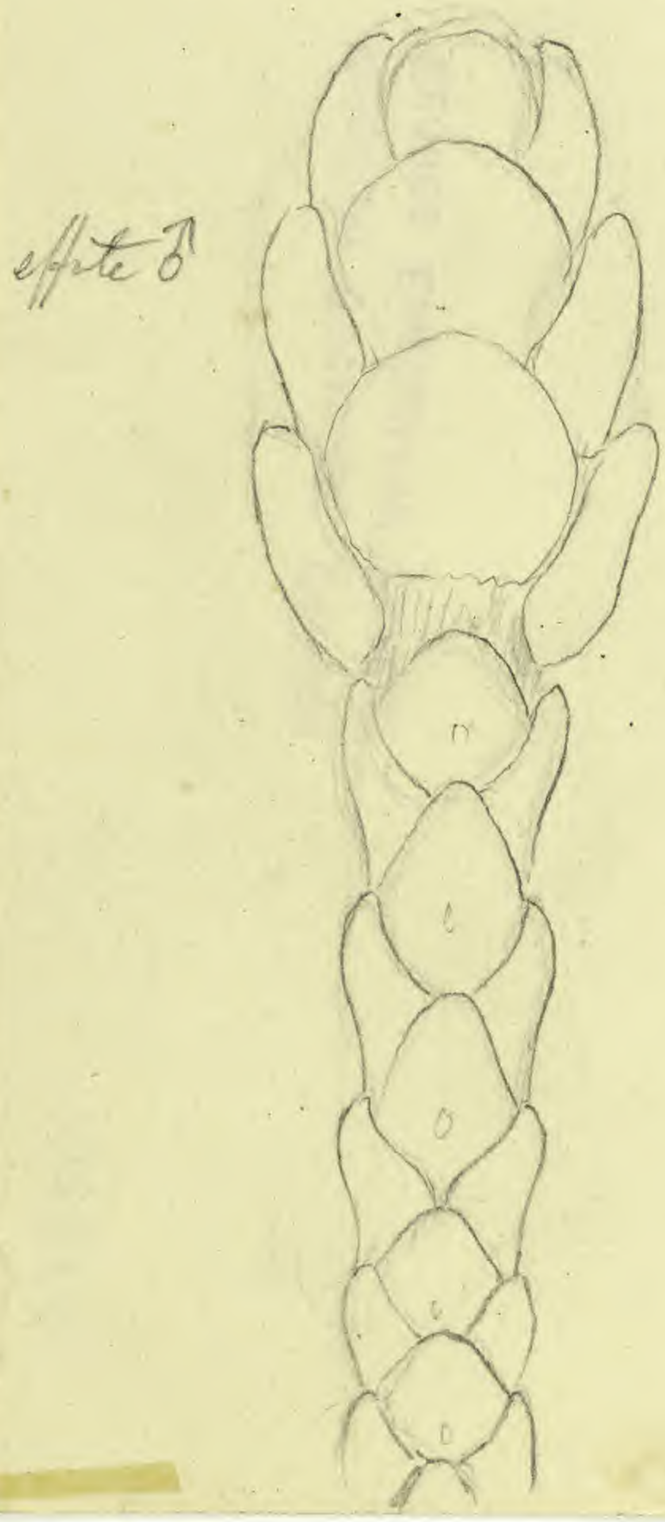
Juniperus Virginiana glauca Dec 31 1873

Colorado E. L Greene ♂ April 28 1873

x 10

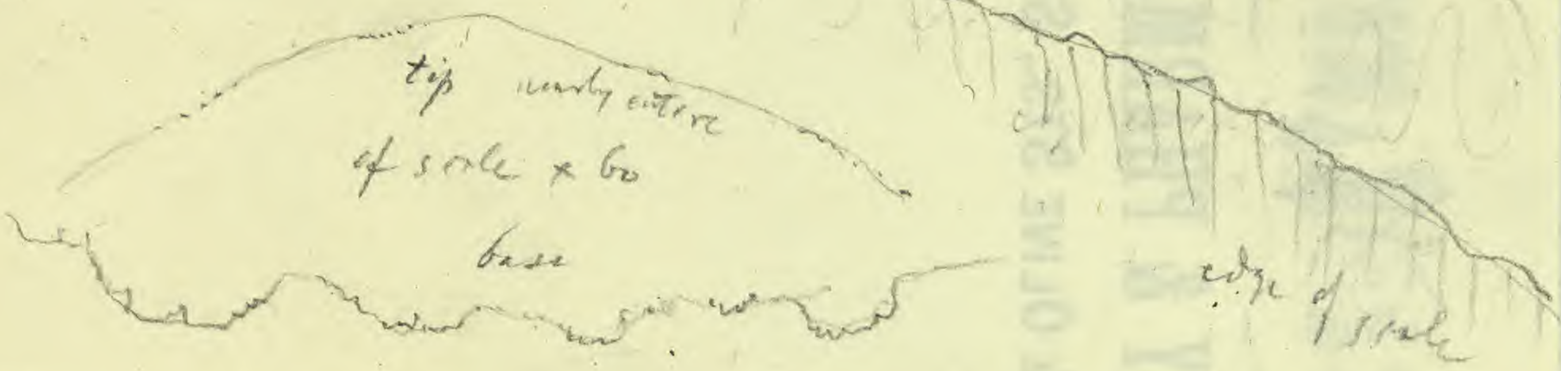


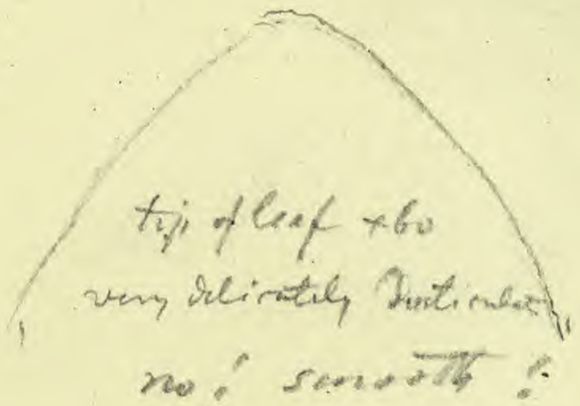
effete ♂

x10

effete, no Pollen-sacs

4–6 anther cells





recommend
Jan 23 1874

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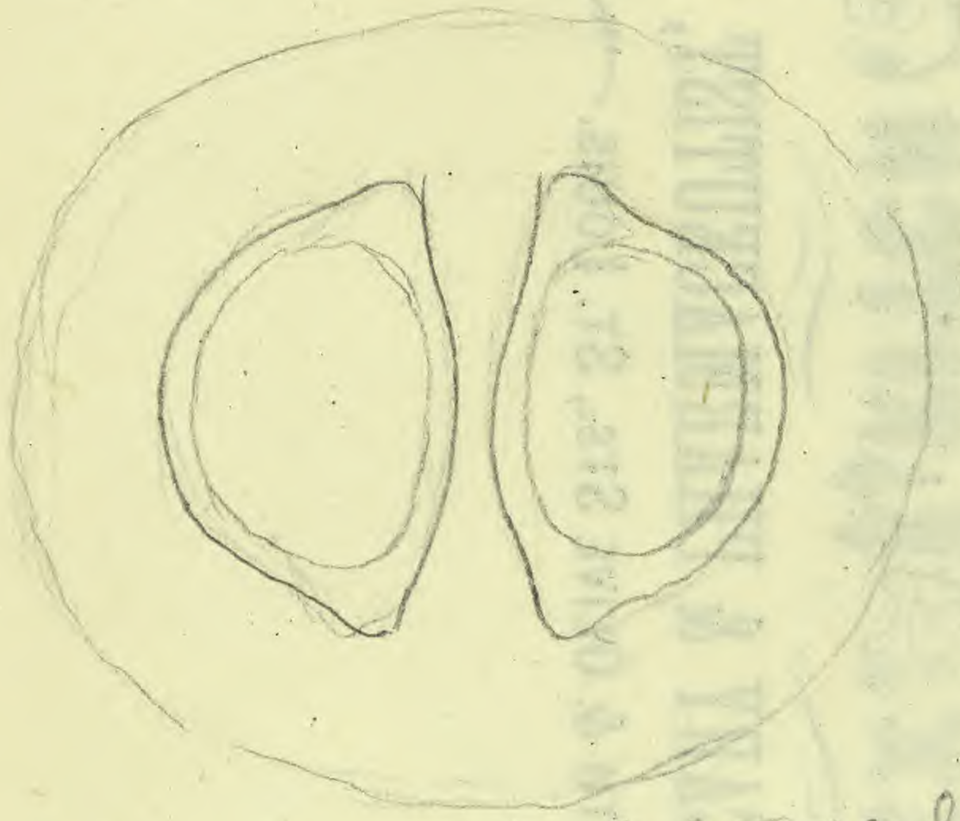
Scirpus Virginianus

Dec 30 1873

Herb Simpleri — Florence

tip free, green

top of leaf
× 6a



sect of 2d seeded fruit ×10

2a

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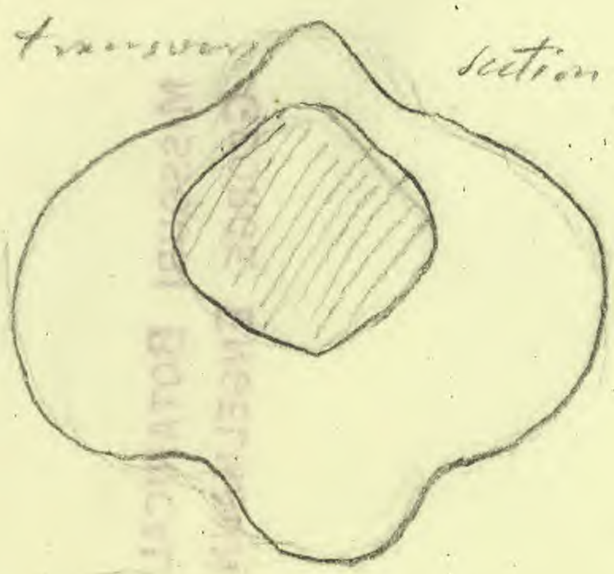
Rumpers Virginia

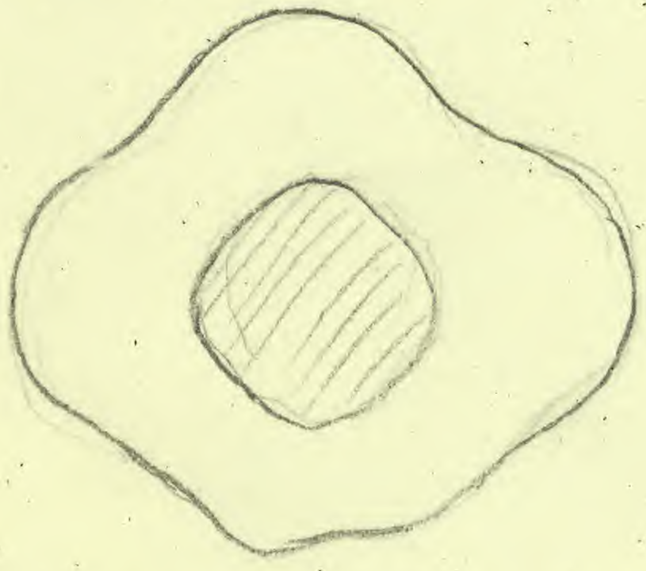
St Louis - fruit

Dec 20 / 1873

×10



transverse section of berry & stone



seed covered by a thick tough brown and slender white coat, inside the stony shell

perpendicular section

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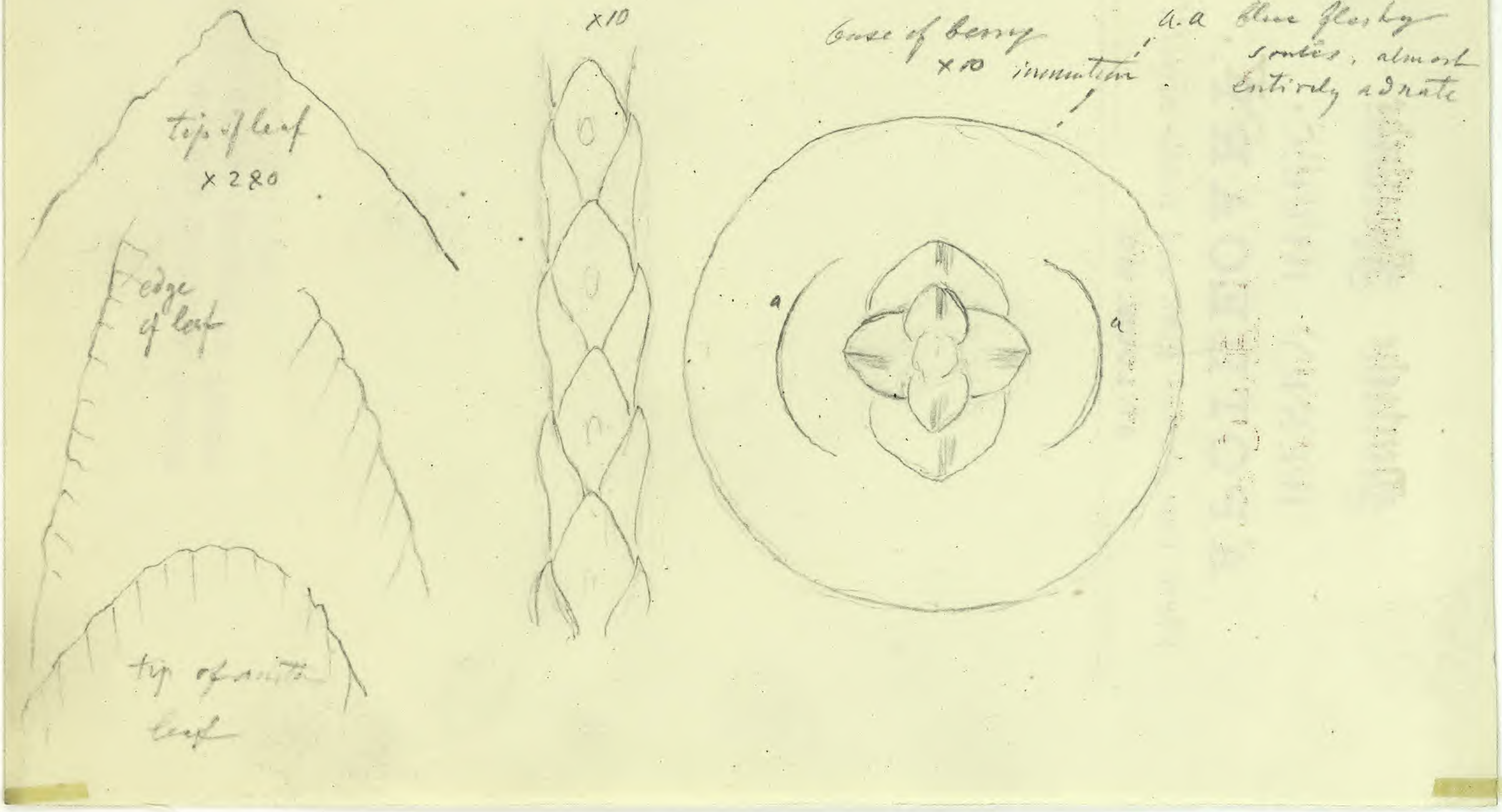
Juniperus Virginiana Jan 10th 1874

Fraser River. H L Jones Esq Jun 1865. Edinburgh.



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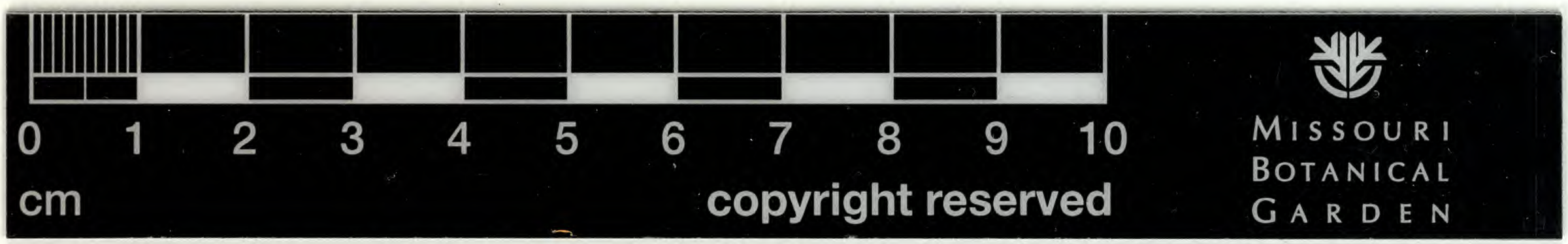
Juniperus virginiana 1 Jan 1874

Leaves of flowering branchlets always ± 2', only of
stunted young shoots commonly ± 3' —
acute or acutish
margins of the anterior ones always entire; of
the small dark and more obtuish ones commonly
very obliquely and irregularly dentriculate (e.g. B
specimen from Fernbanks) — glands dark brick dist. at
ovate or ovate-oblong and in middle — not resinous, carina towards tip
wanting, dark terminal gaite distinct.
Fruit usually consisting of 12 scales —
rounded, entire, merely with a small irregular
tooth here and there
usually 4 anther cells — the middle ones (rudimentary)
Pollen 0.024 mm diam
seeds usually 2 (only ± small berries 1) ovate, thin-pointed
and towards the apex rough, only ± tender coats to seed —
Colorado specimens — 4 cells of the fruit sharper 3 angled, Polygonum like, but always indistinct.



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over

S. Virginian Ber

very soft. glaucous-blue-black

globose or almost didymous

seeds = regular berries 2

= small ones only 1

Fendler Santa Fe 834 mostly (not all specimens.)

berry large, globose

seed single, large

Berlandier 671=2081

Berry oval, seed style large, very smooth & even

Florence & Risley coll. berry small oval seed single

& Hayden strongly ridged

Bostock for Martin is Ord has 3-5, usually 4 seeds

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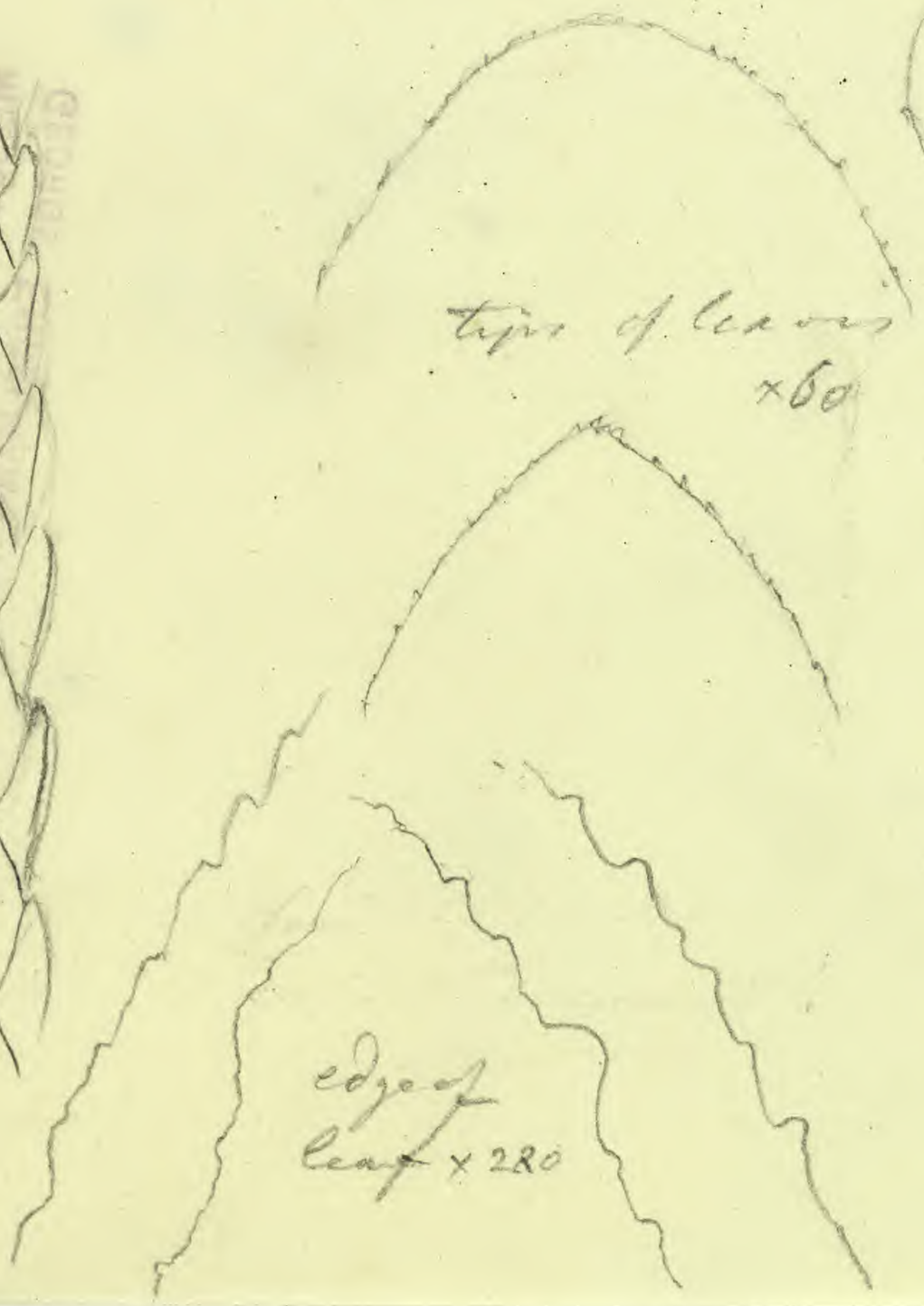
Juncus
Fremont 165 1845

Ills. Jow. Ills Agric. Rep. Ills. Englem.

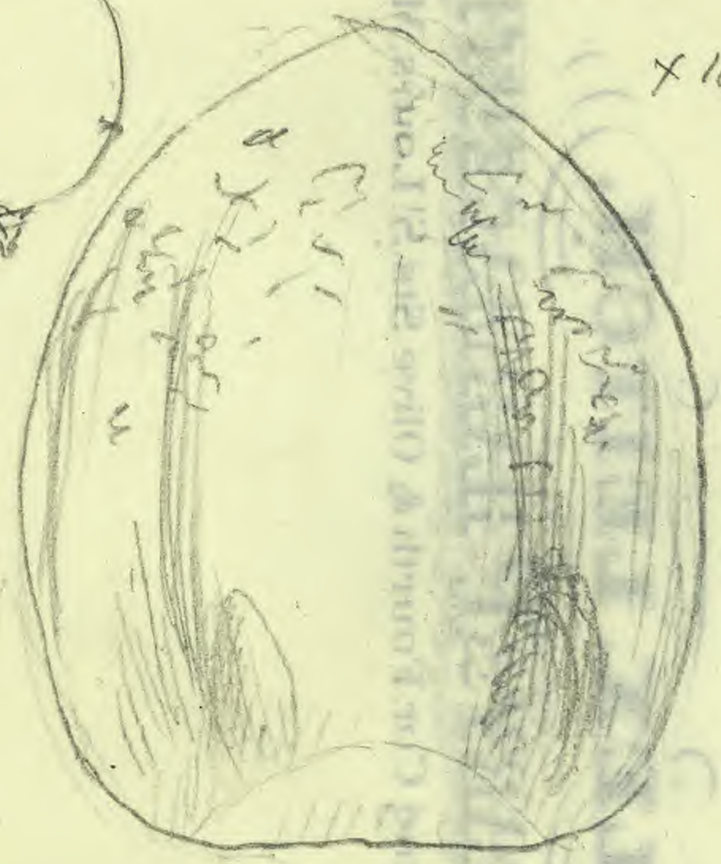
Sec 2 874

probably from the upper Arkansas
berry x2, peduncles long
curved or recurved

x10



x10



Seed 1, ridged
otherwise smooth
sometimes 2 seeds, these
on the inner side
wrinkled — grooved —
large oil chamber

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Juniperus Virginiana

St Louis County — fruit! Dec 20 1873

Dec 20 1873

Pollen grain
bl immature
= 0.024 (0.023–25) mm

tip of leaf
×60
entire!
(or nearly so)

anther scale ×10

tip of scale
×60
(almost) entire

base of scale, ragged

immature
ament

×10

mostly on
short, also
on longer
branchlets

bracts below the
berry ×10

tip of leaf
×60

fertile branchlet
or peduncle

seeds ripe

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Juniperus Virginiana

Vancouver, Dr Lyall 1858-59

ex HG A Gray

Jan 21 1874

edge of ♂ scale × 280

♂ ×10

Pollen × 425

glands very prominent

edge of leaves × 280

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Juniperus Virginiana

Feb 15 1874

Washington Territory, 215. Expl. Exp. Capt Wilkes.

46. Agricult. Exp

x 10

x 60

x 280

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"Omnia probate, quod bonum est tenete"

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[illegible] smuch as he can do nothing in the way of preserving his life independent of thy life-force in him? Is there one of us so forgetful of his dependence as to seek to go through life without the divine aid? And if we are to get aid, from whom, O Christ, shall it come but from Thee? Thou art the only person, as thine is the only name given under Heaven, whereby man can reach his highest unfolding. Whatever the progress that men make when left to the range of their own reason, no person can find the highest level to which his capabilities pledge him and which they betoken, until these shall be enlightened by thy love,—thy love, which is human love, made God-like,—thy love, which is the love of God, made human,—thy love which when it comes into the human soul warms all the recesses of one's human nature, disenthralling it and bringing it into sweet obedience and subjection to the divine requirements, reconciling the soul to God's own authority and government as Creator and Father, Redeemer and Saviour. Dear Christ, shall not the Holy Spirit teach us these truths, and impress them on our hearts, that there shall not be one of us who shall go from day to day, like a blind man, having no clue to the attainment of the things he wishes to get,—like one who in the windings of a great labyrinth has lost his hold on the slender thread that can take him back again to open daylight and sky. O Christ, teach us these truths, and in teaching them give us that trust which does not degrade nor debase, but which on the other hand makes us recognize the reason and the propriety of things, which lifts us and gives us higher tone and makes us more manly and womanly, and helps us to appreciate with loving heart and quickened intellectual acumen, the wisdom of God. Be pleased to make every one of us feel how precious thy love is—that it does not come and make its way into the human soul to enslave it, but on the other hand to emancipate it and give it that freedom which is always the soul's when it is imbued with the love of God; for where the love of God is, there is perfect

[illegible] Land of Calvary,
Saviour divine;
Now hear me while I pray,
Take all my guilt away,
Oh let me from this day
Be wholly thine.

ABSTRACT OF SERMON.

There is, therefore, now no condemnation to them which are in Christ Jesus, who walk not after the flesh but after the spirit; for the law of the spirit of life in Christ Jesus hath made me free from the law of sin and death.

It is the spiritual philosophy of christianity, not its high moralism, that gives it its distinctiveness. It is designed to make all those who believe in it and accept it, spiritually minded, so that they shall see and understand and comprehend truths which pertain to the welfare of the human soul, which no person not a christian can ever understand. That is the point. A man who is not spiritually enlightened can just as well as he who is, do unto others as he would have others do unto him. The comprehension of that philosophy lies within the range of what may be called right moral education; and a man may have the moral training which will enlighten him to all matters pertaining to duty and obedience to law, and yet not have one particle of spiritual insight. Paul was a man before he saw Jesus, on his way to Damascus, who had just as good conscience as he had afterward. He verily thought he was doing God service when he persecuted the christians from city to city, and was among those who stood by and held the clothes of those who stoned Steph-

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BAD EYES—O. P. Q., Manlius. N. Y.—What can be done for a little six-year-old boy who is troubled with swelling just below the eyes? Also, who sometimes has a gathering of bloody film in the eye?

Such boy should be put upon a farinaceous and fruit diet; should eat but twice in twenty-four hours; should have his skin kept clean by frequent ablutions; bowels kept open by injections; and have put on to him abdominal bandages wet in front.—Make him regular in all his habits and follow this prescription with any degree of persistence, and he will recover from his difficulties.

ENEMAS—DISTRESS IN STOMACH—A. C. D., Mowequa, Ill.—Is the use of injections injurious to a person of naturally constipated tendency?

No, but positively beneficial. The impression that injections of tepid water produce either a debilitated condition of the lower bowel, or create such an artificial dependence as to make the bowel disposed to act only when it is partially filled with water, is incorrect. Persons may use injections for years and not be dependent on them a day after the nervous conditions of the system are made right.

2d. What is the cause of distress in the pit of the stomach, at times causing a faint or fluttering feeling?

Inflammation of the coats of the stomach. The mucous membrane is suffering from disturbed circulation, and hyper-sensibility is indicated in the way described. The person has muco-nervous dyspepsia. The remedy lies in careful diet sitz baths bandages,

stay in the

Ladies.

t, reports several
indirectly caused
which had tripped up their wearers;
and he refers also to the distortion and injury to the foot that they often induce. He says: "Last year I was sent for to see a young lady in one of our London Hotels. She wished to consult me about her foot.—On seeing it I thought its state depended upon her boots, and I asked to see them. The boots were brought in by the lady's maid, but the only thing I could observe about them was the immensely high heels. I said: 'It is the high heels of your boots that cause the mischief, and unless you diminish them I can do nothing for you.' She became quite angry, and said she could not alter them. 'I cannot do it and will not.' Suddenly she again toned down and said: 'Pray, sir, what would people say if they saw me walking about the park without high heels?' I said, 'It is simply heels *versus* brains. If you have brains you will cut off the heels; if you have no brains you will continue to wear them.' She fortunately had brains, cut off the heels, and her foot got quite well."—*Scientific American.*

It is not because women lack native good sense that they dress so uncomfortably and unhealthfully, and therefore so unchristianly, as they do, but because they are so educated that they feel compelled to surrender all to the behests of fashion.

Omissions and Mistakes.

To the report of Sunday services beginning on page 287 should have been added, Conducted by Dr. Jackson in Liberty Hall.

Page 287, second column, third line from top, read "good" instead of "food."

The Cure of the Drs. Young, noticed at bottom of page 263, is in *Marin* Co., Cal.

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